

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-012653**Date Inspected:** 06-Mar-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li Yang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) Shrikant Utekar was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

TRIAL ASSEMBLY YARD

MAGNETIC PARTICLE INSPECTION

OBG 6CW

PUNCH LIST ITEM #442

This Q.A Inspector performed Magnetic particle Inspection of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA Inspector generated a (M.T) report for this date. The members are identified as the OBG segment 6 West Designation are as follows.

LD005-004-007

ULTRASONIC INSPECTION

OBG 6CW

PUNCH LIST ITEM #442

# WELDING INSPECTION REPORT

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This Q.A Inspector performed Ultrasonic Inspection of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA Inspector generated a (U.T) report for this date. The members are identified as the OBG segment 6West Designation are as follows.

LD005-004-007

This QA Inspector randomly observed the following work in progress.

## OBG SEGMENT 6WEST

This Quality Assurance (QA) Inspector observed ZPMC qualified welder 054467 performing Shielded Metal Arc Welding process for weld CA013-002 located on PCMK weld between side panel and edge panel counter weight side. ZPMC QC Mr. Zhong Yang Gang monitoring this welding. The welding variables recorded by QC appeared to comply with the WPS-354-SMAW-2G (2F)-FCM-Repair-1. Weld repair report identified as B-WR10749.

This Quality Assurance (QA) Inspector observed ZPMC qualified welder 037743 performing Shielded Metal Arc Welding process for weld CA029-005 located on PCMK weld between side panel and edge panel counter weight side. ZPMC QC Mr. Zhong Yang Gang monitoring this welding. The welding variables recorded by QC appeared to comply with the WPS-354-SMAW-2G (2F)-FCM-Repair-1. Weld repair report identified as B-WR10753.

This Quality Assurance (QA) Inspector observed ZPMC NDT Inspector performing Ultrasonic Inspection on the weld between deck plate I rib to edge panel at FL003 location near the panel point 38.

Unless otherwise noted, all work observed on this dated appeared to generally comply with applicable contract documents.



## Summary of Conversations:

No relevant conversations.

## Comments

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## WELDING INSPECTION REPORT

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This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, +(86) 1500 042 2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Utekar,Shrikant	Quality Assurance Inspector
<b>Reviewed By:</b>	Dawson,Paul	QA Reviewer

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